

Kansas Technical Professions



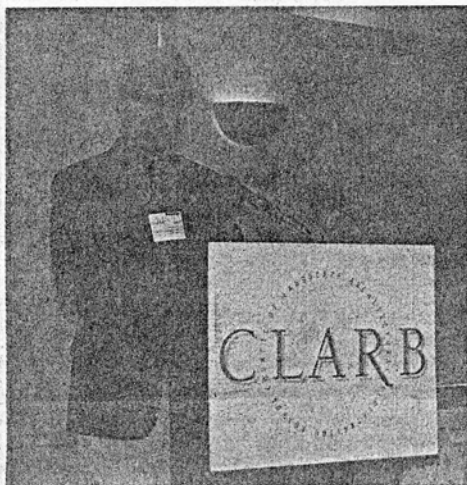
William P. "Chip" Winslow, III, Kansas State University Professor, Takes Office as President of CLARB

VIENNA, VA - William P. "Chip" Winslow, III, Kansas State University Professor, was appointed President of the Council of Landscape Architectural Registration Boards (CLARB) on September 14 at CLARB's Annual Meeting in New Orleans, Louisiana. Winslow succeeds John L. Carman, President of the Lexington, Kentucky firm of John L. Carman & Associates, Inc., who will now assume the office of Past President.

Winslow received his Bachelor's of Landscape Architecture from Kansas State University and his Master's of Landscape Architecture from the University of Michigan. Winslow was first appointed to the Kansas Board of Technical Professions by Governor Joan Finney in 1992, and was reappointed by Governor Bill Graves in 1995 and in 1999. He has served in various offices on the state board, including Secretary, Vice Chair and Chair. He holds current landscape architecture registration in Kansas and Texas.

Winslow has been involved in CLARB activities continuously since 1984. He has served on numerous committees and has held the offices of Alternate Director and Director for Region IV (Central States). Winslow served as CLARB Secretary from 1998 to 2000, Second Vice President from 2000 to 2001 and as First Vice President/President-elect from 2001 to 2002.

Other CLARB officers were also elected. Dickson F. DeMarche, Principal of the Wilton, Connecticut firm



Chip Winslow, L.A.

Dickson DeMarche Landscape Architects, was elected First Vice President/President-elect at the meeting.

President of CLARB/to page 4

Members of the Kansas State Board of Technical Professions Attend a Seminar Hosted by the Office of the Attorney General

On September 25, 2002, Attorney General Carla Stovall's office presented an all-day orientation program for members of professional licensing boards. The program was designed to familiarize board members with

issues common to all professional licensing boards. This was the second such seminar sponsored by the Attorney General's office, and was organized by Mary Feighny, Assistant Attorney General, and Camille Nohe, Assistant Attorney General. The first such program was held in October 1997.



From left to right are: Tom Mulinazzi, P.E., L.S.; Larry Hole, P.E.; Richard Moberly, Geologist, Tex New, L.S. and Betty Rose, Executive Director.

The following issues were included in the program: "Creature of Statute: Functions, Authorities and Limitations of Licensing Boards" was presented by Camille Nohe, Assistant Attorney General, Legal Opinions and Government Counsel Division; the "Kansas Open Meetings Act and Kansas Open Records Act" was presented by Teresa Nuckolls, Assistant Attorney General, Legal Opinions and Government Counsel

Seminar /to page 4

CLARB 2002 Annual Meeting

The CLARB Annual Meeting was held September 11-15 in New Orleans, Louisiana. The highlight for the Kansas board was having Chip Winslow, landscape architect board member, installed as President of the CLARB organization. In addition to Chip, the meeting was attended by Stan Peterson, architect, and Betty Rose, executive director. This year's meeting was one of the most well attended meetings, with 43 out of 49 member boards represented.

The first day of meetings consisted of several workshops which were offered to help CLARB members understand in more detail some of the programs and inner workings of the organization and profession. The workshops offered were: Member Board Administrators-Making OutReach Happen, Understanding CLARB Finances; and Legal Liability Trends for Landscape Architects. The next day was the opening general session with CLARB officer and committee reports given. In the afternoon, regional meetings were held. The regional meetings are always



From left to right are: Stan Peterson, Arch.; Betty L. Rose, Executive Director; and Chip Winslow, L.A.

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Office Hours
8:00 a.m.-4: 30 p.m.
Please leave a message on our voice mail system at other times.

Office Closings
Our office will be closed on the following dates:
Wednesday, January 1, 2003
Monday, January 20, 2003
Monday, May 26, 2003
Friday, July 4, 2003
Monday, September 1, 2003
Tuesday, November 11, 2003
Thursday, November 27, 2003
Friday, November 28, 2003
Thursday, December 25, 2003

Upcoming Meetings
Check our Web site for updated information on Board meetings.

Disclaimer
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Notice to All Licensees

The news articles contained in this publication should be treated as official correspondence from the Board of Technical Professions.

This publication is one way that the Board can keep licensees informed of the Board activities and decisions. No Board of Technical Professions funds are used to produce this newsletter. The publisher relies on revenue from advertising to finance its publication.



AGENCY MISSION

To provide maximum protection of the health, safety and welfare of the people of Kansas by assuring that the practice of engineering, architecture, land surveying, landscape architecture and geology in the state is carried out only by those persons who are proven to be qualified as prescribed by the statutes and rules and regulations of the Board of Technical Professions.

Programs Established To Assist With Agency Mission
Licensing, monitoring and regulating of technical professions:

- Examine and certify Intern Engineers
- License, monitor and discipline Engineers
- License, monitor and discipline Architects
- License, monitor and discipline Land Surveyors
- License, monitor and discipline Landscape Architects
- License, monitor and discipline Geologists
- Licensing of Professional and General Corporations

Kenneth Vaughn, RE., Chair
Prairie Village, KS Engineer Member

MEMBERS OF THE BOARD OF TECHNICAL PROFESSIONS

Larry Hole, P.E., Vice Chair
Wichita, KS
Engineer Member

Joe Vanderveide, Arch., Secretary
Garden City, KS
Architect Member

Joe Johnson, Arch.
Wichita, KS
ARCH/LA/GEO Committee Chair
Architect Member

Cecil Kingsley, P.E.
Lawrence, KS
Engineer Member
Richard Moberly, Geologist
DeSoto, KS
Geologist Member

Thomas Mulinazzi, P.E., L.S. Lawrence,
KS • PE/LS Committee Chair
Engineer/Land Surveyor Member

BOARD STAFF

Routing your calls to the numbers below will allow our staff to better assist you by answering questions about the areas they handle. You may also leave a message on our voice mail if we are unavailable and we will return your call promptly.

Call	For Information On
(785) 296-3053	General information questions, application packet requests, address changes
Pat Johnson (785) 296-4800	Corporations, continuing education Application status, licensure qualifications and foreign degree evaluations
Jean Boline (785) 296-8612	Renewals, reinstatements, accounts payable and receivable
Jeanine Harmon (785) 296-3054	TexNew, L.S. Overland
Marilyn Nance (785) 296-4400	Park, KS Land Surveyor Member

Stan Peterson, Arch. Topeka,
KS Architect Member

F. Glenn Phinney P.E.
Overland Park, KS Public
Member

Donald Ralhbhone, P.E.
Manhattan, KS Public
Member

Murray Rhodes, L.S.
Kansas City, KS
Land Surveyor Member

William (Chip) Winslow, III, L.S.
Manhattan, KS
Landscape Architect Member /

Mark Bennett, Jr.,
Board Attorney

Belly L. Rose Executive
Director

Disciplinary Action Taken by the Board

by Mark L. Bennett, Jr.,
Board Attorney

IN THE MATTER OF L.G. CAZALY, P.E.

Summary: On January 3, 2002, Kansas State Board of Technical Professions received notice of a potential violation of the Board's rules from an engineering group which was the engineer of record for the design and construction administration for a 1,000,000 gallon elevated storage tank. When bids were opened, the contract was awarded to a Texas company, Landmark Structures I, L.P. The contract documents required structural design calculations and construction details to be submitted for review. Said documents were required to bear the seal of a Kansas registered engineer and were signed and sealed by L.G. Cazaly.

L.G. Cazaly was initially licensed as an engineer in the State of Kansas by comity on August 28, 1989 and said license remained in full force and effect until April 30, 1998 at which time it lapsed. At the time Mr. Cazaly signed and sealed the design calculations and construction



Mark L. Bennett, Jr.,
Board Attorney

details, he did not hold a current Kansas license. According to Mr. Cazaly, he was under the impression that he had a current license at the time he signed and sealed the referenced documents.

Board Action: Following completion of an investigation by the Board, L.G. Cazaly and Kansas State Board of Technical Professions entered into a Settlement Agreement and Consent Order which included the following:

- (1) Mr. Cazaly will immediately cease and desist from offering to provide engineering services or providing engineering services in the State of Kansas until such time as he has been duly licensed to perform said services in the State of Kansas;
- (2) Mr. Cazaly will pay a fine in the amount of \$500.00 and the Board's attorney fees in prosecuting this matter in the amount of \$250.00 for a total fine and attorney fees in the amount of \$750.00 no later than August 24, 2002.

The terms and conditions of the Settlement Agreement and Consent Order in this matter have been met and therefore the file has been closed. Since Mr. Cazaly has not renewed his Kansas license, he is not authorized to practice engineering in the State of Kansas.

Cancellation of Licenses Due to Noncompliance of CE

Summary: As per regulations 66-14-1 and 66-14-2 each land surveyor, landscape architect, architect, and professional engineer has to have 30 professional development hours of acceptable continuing education each renewal period. As part of the renewal process, S. Scott Slagle, landscape architect, was randomly selected for an audit of professional development hours. Mr. Slagle failed to provide documentation of appropriate PDH's for landscape architecture.

Board Action: As a result of the failure of Mr. Slagle to provide proof of the appropriate hours of continuing education, the Board entered a summary order directing his license to be cancelled. The summary order directed the licensee that he had a right to contest the Board's action in the matter and that he could request a hearing, which he did not.

from page 1/ President of CLARB

Sandra J. Gonzalez, of Long Beach, California, was elected Second Vice President and Karl "Gil" Berry, of Albuquerque, New Mexico, was elected Secretary. Gregg K. Sturtevant of Wallowa, Oregon, continues his two-year term as Treasurer. CLARB's Regional Directors for the coming year are Frank L. Basciano, John J. Fernholz, Brian Starkey, Dennis C. Wilkinson, and James W. Figurski.

Created in 1970, the Council of Landscape Architectural Registration Boards (CLARB) is a non-profit international association whose members are the 47 U.S. states and territories and two Canadian provinces that license landscape architects. As an organization of member boards, CLARB's mission is to foster the public health, safety and welfare related to the use and protection of the natural and built environment affected by the practice of landscape architecture. (See related article on CLARB Annual Meeting Activities, page 1).

from page 1/ Seminar

Division; "Administrative Regulations: What They Are and How to Adopt Them" was presented by Julene Miller, Deputy Attorney General, Legal Opinions and Government Counsel Division; the "Governmental Ethics" topic was presented by Vera Gannaway, General Counsel for the Kansas Commission on Governmental Standards and Practices; Elaine Frisbie, Principal Budget Analyst, Division of the Budget presented the "Budgetary Process"; the "Investigation of Complaints and Disciplinary Hearings" was explained by Steve Phillips, Assistant Attorney General, Civil Litigation Division; John Campbell, Senior Deputy Attorney General spoke on the topic of "Liability Issues: Kansas Tort Claims Act"; and the final speaker was John Randolph, Ph.D., former psychologist member of the Behavioral Sciences Regulatory Board who spoke on "Board Ethics and Conflicts of Interest."

All the speakers were very knowledgeable and provided hard copies of the materials covered. The seminar was well attended by members and staff of various state professional licensing boards. Attending the seminar from the Board of Technical Professions were Tex New, L.S.; Richard Moberly, Geologist; Thomas Mulinazzi, P.E., L.S.; Larry Hole, P.E.; and Betty Rose, Executive Director.

Report of Alleged Violation Procedure

An important part of being a professional is helping to uphold the high standards of the profession. Webster's Dictionary defines a profession as "a calling requiring specialized knowledge and often long and intensive academic preparation." Similarly, a professional is one who is "characterized as conforming to the technical or ethical standards of a profession." The regard with which a profession is considered is a direct result of the manner in which those professionals engaged in it conduct their practice. With the title of professional comes the often very difficult responsibility of ensuring that the high standards of the professionals are maintained.

The "Rules of Professional Conduct," K.A.R. 66-6-4(p), states... "Each licensee with knowledge of any

alleged violation of K.S.A. 74-7001 et seq. or the rules and regulations promulgated and adopted by the board shall: (1) report the alleged violation to the board; and (2) cooperate with the board furnishing information or any assistance that may be required." To make this process easier, the following report of alleged violation form may be used. This use is not mandatory, however, and in many cases a written letter explaining the problem may provide even more information.

Inquiries may be sent to the Kansas State Board of Technical Professions, 900 SW Jackson, Room 507, Topeka, Kansas 66612-1257. It is important that the individual provide his or her name and address, as the Board cannot investigate anonymous inquiries.

KANSAS STATE BOARD OF TECHNICAL PROFESSIONS REPORT OF ALLEGED VIOLATION FORM

1. Your Name, Address, & Phone Number:

2. Address of the building or project:

3. Name & address of person being reported:

4. Name of owner of project (if known):

5. Name of construction company involved in project (if known):

6. Please describe why you believe there may be a violation of our laws concerning this project:

7. Please provide any other information you believe is relevant to your complaint:

Date: _____ Signature: _____

from page 1/ CLARB

very interesting because individual member boards report on recent state board activities, such as legislative changes, financial situations, licensing and disciplinary issues, as well as discuss important issues identified by the CLARB Board of Directors. The regional meeting is also the time when regions elect their representative to the CLARB Board of Directors. This year Dennis Wilkinson of New Mexico was elected to a two year term as Region 5 Director. The member boards in Region 5 are Kansas, Oklahoma, New Mexico, Wyoming, Colorado, South Dakota, Nebraska, and North Dakota.

A Strategic Planning Session was held on Saturday morning. An update to the current strategic plan, which was developed in 1997, began last spring at the mid year meeting by having members identify critical issues and driving forces that they envision affecting the future of CLARB and its mission in the next five to ten years. Critical issues identified by the membership dealt with the role CLARB should play in various activities such as: education; in the promotion and marketing of licensure; in the promotion and marketing of the profession; in specialty certification or licensure; to facilitate mobility of licenses and to ensure consistency in the competency of licensure; should the L.A.R.E. be changed; will CLARB's mission and functions change; and the future format of CLARB's governance structure. Following the spring meeting, the Strategic Planning Committee sorted through the issues and driving forces affecting those issues and developed scenario logics. Using that information, the committee drafted a detailed interim report documenting

the prior work and offered a composite view of the implications of the critical issues and driving forces, as well as provided a draft of recommendations that could lead to a revision of CLARB's mission. The committee's interim report was distributed to the membership for their review prior to the Annual Meeting.



Board member Chip Winslow, L.A. leading strategic planning session.

To advance the Strategic Planning process, on Saturday at the Annual Meeting, a facilitated workshop session led by the strategic planning committee members and Ellen Cull, Management Consultant, involved the membership in a comprehensive review of the interim report and recommendations. The report was discussed in small groups, with each group focused on one of the eight critical issues. The small groups provided very insightful feedback on the progress and recommendations drafted by the committee. Also, in case someone felt that their input was not taken into account during the small group sessions, members were encouraged to provide individual written comments. From the member input gathered at the workshop, the Strategic Planning committee will meet to discuss the results, and prepare a draft mission statement to be considered by the CLARB Board of Directors at their meeting in February 2003. This process will certainly facilitate the future success of CLARB.

The closing business sessions included comments from invited guests, reports of regional meetings, and the strategic planning workshop. The election of CLARB officers was held (See Related Article on Page 1), and the President-elect's address was given by Chip Winslow. John Carman, outgoing president, conveyed his appreciation to the members for a successful year in his closing comments. The 2003 CLARB Annual Meeting will be held in Salt Lake City.

NCEES Holds Annual Meeting

The National Council of Examiners for Engineering and Surveying (NCEES) met in La Jolla, California, for its annual meeting, August 7-10, 2002. Kansas Board members attending were Kenneth Vaughn, P.E., Murray Rhodes, L.S., Tom Mulinazzi, P.E., L.S., and Larry Hole, P.E.

One issue taken up at the meeting was examination policies. It was decided that all item banks would be housed at NCEES headquarters. When technical societies sponsor Group II examinations there will be a signed agreement with NCEES delineating the responsibilities of both parties in developing the examinations. There will be no post-administration access to or review of exam questions, except in those jurisdictions where required by law. Any reviews will be conducted in accordance with established NCEES procedures. An administration fee of \$250 was set. Also all examination materials are to be returned by traceable means within 10 business days of the examination administration.

To maintain the integrity and validity of NCEES examinations, the Council modified its policy for suspending examinations. If in two consecutive administrations fewer than 50 total first-time examinees have taken a specific PE, PLS, or Fundamentals of Land Surveying (FLS) exam or exam module, or if in a two-year period fewer than 1,000 first-time examinees have taken a specific FE discipline module, NCEES will review the desirability of continuing the exam or module. Requests for examinations and depth modules must be made by no fewer than 10 NCEES licensing boards that can demonstrate a need in their jurisdictions for a new examination or depth module.

There have been some additions to the guidelines for ADA. Member Boards must consult NCEES to determine accommodation for those requests that impact examination format and scoring. Documentation of the need for accommodation should come from a licensed professional qualified to make an evaluation and should establish the existence of a disability within the meaning of the applicable law.

NCEES voted to increase the cost of scoring the Principles and Practice of Engineering (PE) and Principles and Practice of Land Surveying (PLS) examination to \$125 with the October 2004 examination administration. Individual licensing boards determine the examination price charged to candidates.

NCEES will initiate a Professional Activities and Knowledge Study (PAKS) for the PLS and FLS examinations no later than 2003. All land surveyors who receive the PAKS in the mail are strongly encouraged to complete the survey to the best of their ability. This information becomes the basis for new examinations.

The Council authorizes the Executive Director to negotiate a contract for examinations and/or examination services between NCEES and any Canadian provincial or territorial licensure authority.

In order to facilitate the ability of firms to practice their profession in all jurisdictions, the Council supports and promotes the adoption of straightforward uniform standards for authorization to practice engineering and surveying through firms. Uniform standards should address the following: NCEES opposes any requirement that a firm must have a physical office in each jurisdiction of practice; NCEES supports the requirement that a firm must have appropriately licensed professionals in responsible charge of services being offered; NCEES opposes any requirement that officers, owners, or their equivalent must be licensed in the jurisdiction in order for the firm to practice or offer to practice provided that appropriately licensed professionals are in responsible charge of the services being offered. (The last statement is not current law in Kansas).

The 2002-2003 NCEES Board of Directors was commissioned at the Annual Meeting and includes:

President	Robert Krebs, P.E., L.S., Vermont
President-Elect	Donald Hiatte, P.E., Missouri
Past President	Ted Fairfield, P.E., California
Treasurer	Martin Pedersen, L.S., Wyoming
Vice Pres Central Zone	W. Gene Corley, Ph.D., P.E., S.E., Illinois
Vice Pres NE Zone	Melvin Hotz, P.E., Maryland
Vice Pres Southern Zone	Jon Nelson, P.E. Oklahoma
Vice Pres Western Zone	Kenneth White, Ph.D., P.E., New Mexico

Summary of Topics at NCEES by Board Members Larry Hole, P.E.

Small groups were formed to discuss the overall strate-

gic goals of NCEES. Some of the topics given for discussion were the following: Requirement for stronger ethics portion for practice of engineering examination, Lack of understanding by the public of value that the role of Engineering plays in society, Direction of professional / technical societies on licensure. This was just a few of the 26 items used to generate discussion. The top six items determined by the entire group of member boards were the following: 1) Accreditation and Education issues, 2) Mobility, 3) Value of

Pictured from left to right are: Kenneth Vaughn, P.E.; Murray Rhodes, L.S.; Larry Hole, Licensure, 4) Splintering P.E.; and Tom Mulinazzi, P.E., L.S.

Accreditation: There were discussions about the Accreditation Board for Engineering and Technology (ABET) accreditation process. One big question was "Has the new 2000 criteria reduced some of the basic engineering requirements to a nice to, but not required status?" In the past, there were written criteria that every school must meet to receive ABET accreditation. The new approach is to review the school's plan and evaluate whether they are performing according to their plan. NCEES and ABET are requesting that more participants come from industry to serve as evaluators. This is to insure that the colleges are producing the desired type of engineering graduate.

Examinations: Another topic was whether the individual states should have a state specific test on its own rules and regulations. It might also include a business practice and ethics section on these tests.

Law Enforcement Program: This session was extremely enlightening. The speaker shared numerous ways to locate information about individuals on the Internet. Most of the sites are free of charge while some require a nominal fee. He stressed that there is a need to cross-reference the information through several sources to ensure accuracy of the data. He showed how many county records are accessible via the Internet. Another session was on enforcement of the regulations and the rules by various states. It was interesting to listen to the other board's enforcement policies. Many states are going through the continuing education requirement growing pains, mainly compliance issues.

Tom Mulinazzi, P.E., L.S.

Examination Security Workshop: The session showed that the proctors we use in Kansas do a good job with security, but we must remain careful during testing. Applicants have gone to new extremes in order to get access to the FE exam questions. Having NCEES provide mechanical pencils is an attempt to get around pencil-like scanners, which have been found at test sites. Providing these pencils cost NCEES over \$60,000 last April. There is a serious discussion going on concerning the use of calculators, which are getting more sophisticated each year. Some applicants have been seen "typing" in the test questions into their calculators.

There have been serious problems with the shipping of the exams from NCEES to the individual states and within each state. It has been strongly suggested that the states hand deliver the exam documents both ways, if at all possible.

It costs over \$350,000 to rewrite an exam. People have to be transported to Clemson, South Carolina to set the cut scores for a new exam. New questions have to be developed and tested. Individual Boards must take every precaution to make the FE and PE exams as secure as possible.

One state is in trouble because they used graduate students to proctor the PE exam. The proctors would be taking the exam in the future. This same state had someone walk out of an exam site with an exam. NCEES is negotiating an appropriate fine with this state.

Land Surveyors Forum: The discussion at the forum centered on academic requirements to become a licensed land surveyor. There has been the same discussion in Kansas. The topic of academic criteria was included in a



discussion of the proposed Model Law for Surveying.

American With Disabilities Act (ADA): A disability has to be a permanent disability to be included under the ADA. There can be accommodations for other temporary situations, such as a broken arm. The goal of ADA is to allow the disabled individual an equal opportunity to demonstrate his/her ability. It is important to determine the extent of the disorder, not the type of disorder or impairment.

Cut Score Workshop: The process is extremely detailed and based on statistics.

Master's Degree as a Licensure Prerequisite Workshop: There was a heated discussion at this workshop. The basic theme was that a Master's degree or its equivalent (30 hours after the BS degree) would be a requirement to sit for the PE exam. It is feared that this would prevent Civil applicants from taking the PE exam in four years. It is difficult to work at the first job for four years and complete 10 courses beyond the BSCE degree.

Kenneth Vaughn, P.E.

Jon Nelson from the Oklahoma board and southern zone vice president led a discussion concerning the qualifications for licensure as an engineer. Jon has been the chair of the Engineer Qualification Task Force [ELQTF] for the NCEES during the previous year.

Many modifications of the current system have been considered and debated. They include the following:

1. Should graduates with a B.S. degree in a related science or engineering technology qualify for licensure with or without additional education?
2. Should a master's or equivalent degree be added as a requirement for licensure?
3. Should EAC/ABET graduates be considered technically competent and exempted from the FE exam?
4. Should an engineer with an advanced engineering degree be exempted from the PE exam?
5. Could a more rigorous set of experience requirements be developed and implemented to effectively replace the PE exam as the means to measure minimum competence?
6. Should an individual be required to wait until the experience qualification (currently 4 years) is satisfied before taking the PE exam?
7. Should there be a separate exam or additional PE exam questions that address "practice" issues (ethics)?
8. Should experience credit be granted for an advanced degree?
9. Should a more rigorous set of experience qualifications be required which would mandate a directed and more formal experience record?
10. Should engineers providing engineering services directly to the public be the only engineers licensed?

All of these questions will continue to be considered by the task force to determine which ones, if any, might have a positive effect on the safety and welfare of the public. NONE of these changes are currently being planned in the State of Kansas.

The task force will make recommendations to the NCEES that will determine whether or not changes in the "model law" should be made. Each state decides if they want to use the model law or make modifications to it. Kansas law is consistent with, but not identical to the model law. Any thoughts regarding these ideas are welcome.

2002 NCARB Annual Meeting

by Stan Peterson, Architect

The 2002 Annual Meeting of the National Council of Architectural Registration Boards was held June 26 through 29 in Boston, Massachusetts. Kansas was represented by Board Members Joe Vanderweide and Stan Peterson and by our Executive Director Betty Rose.

The 55 Member Board Administrators met Wednesday morning to discuss issues affecting the regulation in the different jurisdictions. Wednesday afternoon was the first meeting of Region 5. Region 5 includes Kansas, Nebraska, North Dakota, South Dakota, Montana, Oklahoma and Wyoming. The next day started with a business session and a presentation by Robert Ivy, FAIA, Editor-in-Chief, *Architectural Record*. The day included speeches from candidates and workshops. The following is a list of the workshops held on Thursday and Friday:

- IDP-Issues, Expectations and Opportunities
- Facilitating Mobility-Nationally and Internationally
- The ARE
- Interior Design Licensing-The Recent Past and The Future
- Peeking Under the Covers-Resolving Impediments to Reciprocity

Friday, in addition to the workshops and a business session, included a second

Regional Meeting with discussion of impending resolutions and a last chance to visit with the candidates. Saturday morning, following the report of the Credentials Committee, the elections were held followed by the votes on the resolutions. A resolution reaffirming NCARB's stand that Certificate holders should be recognized and registered by every Member Board without additional evaluation passed. Practice in a Host Nation resolutions with Australia and New Zealand were approved. A progressive dues increase for the Member Boards was approved after amending.



From left to right are: Stan Peterson, Arch.; Betty L. Rose, Executive Director; and Joe Vanderweide, Arch.

From the Kansas State Fire Marshal's Office Sprinkling Kansas?

by Rick Fay, Architect

The building codes recognized in Kansas already require new construction where the very young, the very old, the very sick, the physically-challenged and the incarcerated live, work or congregate to be protected throughout a facility with automatic fire sprinklers. The Kansas State Fire Marshal asks Kansas building designers to weigh the advantages of automatic fire sprinkler systems in every new or renovated building.

Ten good reasons to incorporate sprinklers are:

- Over 100 years of demonstrated use;
- Support of other organizations – for design, construction and maintenance of facilities, including the National Fire Protection Association, University of Maryland and Oklahoma State University;
- Cost effective construction – new buildings will be more fire safe and require less resources to protect them;
- Uses common materials – integrates construction materials and other technologies;
- Fire service trains with and uses this equipment;
- Fast response – 69 percent of recorded fires were extinguished by five or fewer sprinklers in certain occupancies;
- Saves lives – National Fire Protection Association has no record of a fire killing more than two persons in a public assembly, educational, institutional, or residential building where a properly operating automatic fire sprinkler system was installed throughout;
- Inexpensive to install – less than \$2 per square foot;
- Works constantly – 24/7;
- Automatic fire sprinkler systems use the most common, effective and available fire suppression agent – water.

Thank you for your consideration of incorporating this life-saving technology.

NOTICE

As a courtesy to licensees, renewal notices will be mailed on the following dates:

Land Surveyors: 1st renewal notice will be mailed by January 20, 2003

Professional Engineers: 1st renewal notice will be mailed by February 25, 2003

Landscape Architects: 2nd renewal notice will be mailed by January 10, 2003

Certificate of Authorization: 2nd renewal notices will be mailed by January 10, 2003

It is each licensee's responsibility to ensure that his or her license is current.

If you do not receive a renewal notice in the mail or if you have any questions, contact Marilyn at (785) 296-4400.

DON'T FORGET TO SEND IN YOUR RENEWAL

Board of Technical Professions Rules and Regulations Effective November 1, 2002

After a public hearing on September 26, 2002, the Board of Technical Professions made changes to the following rules and regulations. A short summary follows each regulation to highlight the changes. These changes became effective November 1, 2002.

A copy of the full text of the statutes, rules, and regulations may be accessed through the board's website at www.accesskansas.org/ksbtp/. A written law booklet may also be requested by contacting the board office.

66-8-4. Land surveyor examinations. (a) The examinations required of an applicant for land surveying licensure shall be the following:

(1) The national council of examiners for engineering and surveying (NCEES) examinations covering the following:

- (A) The fundamentals of land surveying; and
- (B) the principles and practices of land surveying; and
- (2) an examination covering Kansas land surveying laws and practices.

(b) The examinations shall be graded by the NCEES, subject to approval by the board.

(c) Each applicant who has passed a section one or more sections of previous registration examinations shall be granted transfer credits in accordance with the rules if approved by the board. These rules shall be available from the board upon request.

(d) Each applicant for a professional license for land surveying shall be required to take and pass all sections of the land surveying examinations and meet the land surveying experience requirements under K.S.A. 74-7022. Each applicant for a professional license as a land surveyor shall take and pass the section on the fundamentals of land surveying and shall meet the professional land surveying experience requirements under K.S.A. 74-7022, and amendments thereto, before the applicant may take the section on professional practice. (Authorized by K.S.A. 2001 Supp. 74-7013; implementing K.S.A. 74-7017; effective May 1, 1984; amended May 4, 1992; amended Feb. 22, 1993; amended Feb. 14, 1994; amended Feb. 13, 1995; amended Nov. 1, 2002.)

In subsection (c) the language has been revised to clarify that the board may accept the results of previous examinations as transfer credit. In new regulation 66-11-1b the board creates a description for "intern land surveyor." Subsection (d) of 66-8-4 has been rewritten to designate the examination and experience requirements that have to be met before an individual may be admitted to the professional land surveying examination.

66-9-5. Surveying curriculum approved by the board. Until a Kansas regents institution has a four-year or more land surveyor curriculum, or a reciprocal agreement approved by the Kansas board of regents, applicants Any applicant seeking licensure as a land surveyor shall may fulfill their the education requirement by either any of the following:

(a) Graduation from an approved engineering curriculum as defined in K.A.R. 66-9-4;

(b) graduation from a four-year land surveying bac-

calaureate curriculum accredited by the accreditation board for engineering and technology (ABET); or

(c) graduation from an approved land surveying curriculum of two (2) years from a school or college approved by the board; or

(d) graduation from an approved four-year related science curriculum, which may include geology, mathematics, chemistry, or physics. (Authorized by K.S.A. 2001 Supp. 74-7013; implementing K.S.A. 74-7022; effective Feb. 22, 1993; amended Feb. 14, 1994; amended Nov. 1, 2002.)

The board has added another educational option that the board may consider in order for an applicant to qualify for licensure as a land surveyor.

66-10-1. Architectural experience of a character satisfactory to the board. Each applicant shall complete the intern development program (IDP) as defined in the "intern development program guidelines, 2000-2001-2001-2002," as which is published by the national council of architectural registration boards (NCARB) and hereby adopted by reference. Each applicant shall provide a completed and bound record of architectural experience in the form transmitted by the NCARB. (Authorized by K.S.A. 1999 2001 Supp. 74-7013; implementing K.S.A. 74-7019; effective May 1, 1984; amended May 4, 1992; amended Feb. 22, 1993; amended Feb. 14, 1994; amended Feb. 13, 1995; amended March 1, 1996; amended Feb. 6, 1998; amended Feb. 9, 2001; amended Nov. 1, 2002.)

The adoption of a document by reference has been updated to the current version of the publication.

66-10-9. Engineering experience of a character which that is satisfactory to the board. (a) The work experience required of each applicant shall expose the applicant to all phases of work integral to the discipline of engineering in which the applicant claims qualification to practice, and shall be verified as set forth in paragraph (b)(2) of this regulation.

(b) Engineering work experience shall meet the following requirements:

(1) Fall within the definition of "the practice of engineering" as defined by pursuant to K.S.A. 74-7003(4) and amendments thereto; and

(2) be directly supervised and verified by a licensed, professional engineer for work performed after May 1, 1988, except that direct supervision of a licensed, professional engineer is shall not be required of the employees of any person, firm, or corporation not offering services in the technical professions to the public, although verification by the applicant's supervisor is shall still be required.

(c) The following guidelines shall be used to assign credit for work experience.

(1) The education and experience evaluations by previous boards or other state boards may be accepted for work experience prior to before the fundamentals of engineering examination. The applicant shall demonstrate four years of acceptable experience.

(2) Credit may be given for 50% of the verified work experience obtained through a co-op engineering program approved by a school or university with an accredited engi-

neering curriculum. Credit for this work experience shall not exceed one year.

(3) One year of credit toward the experience requirement may be given for a master's degree in engineering.

(4) (3) Teaching engineering in a college or university which that offers an approved engineering curriculum of four years or more may be considered engineering experience.

(5) (4) Experience credit shall not be allowed for work performed prior to before graduation, except for experience gained under the co-op provision of K.A.R. 66-10-9(b)(2).

(d) Each applicant shall supply at least three references from licensed professional engineers who are familiar with the applicant's engineering experience. (Authorized by K.S.A. 2001 Supp. 74-7013; implementing K.S.A. 74-7021; effective May 1, 1984; amended April 9, 1990; amended May 4, 1992; amended Feb. 14, 1994; amended Feb. 13, 1995; amended Nov. 1, 2002.)

The experience credit has been modified so that only work that has been performed after graduation will be accepted by the board.

66-10-10b. Surveying experience required of a graduate in a four-year related science curriculum other than land surveying or engineering. Each graduate of a four-year curriculum considered by the board to be related to land surveying, which may include geology, mathematics, chemistry, or physics, shall provide a verified record of six years of surveying experience as specified by K.S.A. 74-7022 (a), and amendments thereto. At least four years of this experience shall have been in progressive land surveying, as defined in K.A.R. 66-10-12 (b)(1). (Authorized by K.S.A. 2001 Supp. 74-7013; implementing K.S.A. 74-7022; effective Nov. 1, 2002.)

This is a new regulation that allows the board to review the educational qualifications of a graduate with a four-year degree in a related science curriculum.

66-10-13. Geology experience of a character that is satisfactory to the board. (a) The work experience required of each applicant shall expose the applicant to all phases of work integral to the discipline of geology in which the applicant claims qualification to practice and shall be verified as set forth in paragraph (b)(2) of this regulation.

(b) Geology experience shall meet these criteria:

(1) Fall within the definition of "the practice of geology" in K.S.A. 74-7003, and amendments thereto; and

(2) be directly supervised and verified by a licensed geologist for work performed after July 1, 2000. However, direct supervision of a licensed geologist shall not be required of the employees of any person, firm, or corpora-

from page 8/ Rules and Regulations

tion that does not offer services in the technical professions to the public, although verification by the applicant's supervisor shall still be required.

(c) The following shall be used to assess credit for work experience:

(1) Experience credit shall not be allowed for work performed before graduation, ~~except for experience gained under the provision of paragraph (c)(4) below.~~

(2) One year of credit toward the experience requirement may be given for a master's degree in geology or in a closely related specialty area acceptable to the board.

(3) Teaching geology in a college or university that offers an approved geology curriculum of four years or more may be considered geology experience.

(4) ~~Credit may be given for 50% of the verified work experience obtained through a cooperative geology program approved by a school or university with an accredited geology curriculum. Credit for this work experience shall not exceed one year.~~

(d) ~~Each applicant shall supply at least three references who are familiar with the applicant's geology experience. One reference may be a licensed professional engineer. Through June 30, 2002, an acceptable professional geologist reference shall be either of the following:~~

~~(1) A licensed geologist; or
(2) an individual certified by any of the following:
(A) the American institute of professional geologists (AIPG);~~

~~(B) the American association of petroleum geologists division of professional affairs (AAPG); or
(C) the society of independent professional earth scientists (SIPES);~~

(e) ~~On and after July 1, 2002, Each applicant shall supply at least three references who are familiar with the applicant's geology experience. At least two of these references shall be licensed geologists. One of the three references may be a professional engineer. (Authorized by K.S.A. 2000 2001 Supp. 74-7013; implementing K.S.A. 2000 2001 Supp. 74-7041; effective Feb. 4, 2000; amended Feb. 9, 2001; amended Nov. 2, 2001; amended Nov. 1, 2002.)~~

The experience credit has been modified so that only work that has been performed after graduation will be accepted by the board. Also, the language in subsection (d) that was no longer valid after July 1, 2002 has been removed.

66-11-1a. Intern geologist defined. "Intern geologist" means an individual who meets both of the following requirements: (a) Has taken and passed the written examination in the fundamentals of geology as administered by the national association of state boards of geology (ASBOG); and

(b) has been issued an intern geologist certificate. This certification shall be granted only after satisfactory proof of graduation has been provided to the board. (Authorized by K.S.A. 2001 Supp. 74-7013; implementing K.S.A. 2001 Supp. 74-7041 and K.S.A. 2001 Supp. 74-7035; effective Nov. 1, 2002.)

This new regulation creates an "intern geologist" designation. This is similar to what already exists for professional engineers.

66-11-1b. Intern land surveyor defined. "Intern land surveyor" means an individual who meets both of the following requirements: (a) Has taken and passed the written examination in the fundamentals of land surveying as administered by the national council of examiners for engineering and surveying (NCEES); and

(b) has been issued an intern land surveyor certificate. (Authorized by K.S.A. 2001 Supp. 74-7013; implementing K.S.A. 74-7022 and K.S.A. 2001 Supp. 74-7035; effective Nov. 1, 2002.)

This new regulation creates an "intern land surveyor" designation. This is similar to what already exists for professional engineers.

66-11-5. Admission requirements for fundamentals of land surveying examination.

(a) Each application shall be reviewed by the board to

determine whether the requirements for admission to take the examination have been met. Once the board establishes that these requirements have been met, the applicant shall be allowed to sit for the examination.

(b) Each applicant shall meet one of the following requirements for admission before taking the examination:

(1) Graduation from an accredited land surveying curriculum, as defined in K.A.R. 66-9-5(b) and (c);

(2) verification of a combination of education and experience of a character satisfactory to the board. In evaluating an applicant's record, a determination shall be made by the board of whether, based on the applicant's educational background, the applicant requires no more than four years of additional progressive land surveying experience to qualify for admission to the practice of land surveying examination; or

(3) through June 30, 2005, verification of four years of experience of a character satisfactory to the board, of which two years shall be in progressive land surveying as defined in K.A.R. 66-10-12. (Authorized by K.S.A. 2001 Supp. 74-7013; implementing K.S.A. 74-7022; effective Nov. 1, 2002.)

This is a new regulation that establishes the education and experience requirements that have to be met before a candidate may take the fundamentals examination for land surveying. This examination must be passed before the intern certificate can be issued.

66-14-6. Exemptions. A licensee may be exempt, upon board review and approval, from continuing education requirements in any of the following situations:

(a) ~~The new licensee's first renewal period is less than two years from the original date of licensure. The licensee is renewing for the first time.~~

(b) ~~★ The licensee is called to active duty in the armed forces of the United States for a period of time exceeding 120 consecutive days in a calendar year. This individual may be exempt from obtaining the 15 professional development hours (PDH) required only during that year.~~

(c) ~~★ The licensee experiences physical disability, illness, or other extenuating circumstances and certifies that the licensee is not currently practicing a technical profession. The licensee shall provide supporting documentation for the board's review and approval. If the licensee elects to return to practice, the licensee shall earn 30 professional development hours for each year exempted, not to exceed 30 PDH the last renewal period or shall meet the requirement specified in K.A.R. 66-14-10 or K.A.R. 66-14-11.~~

(d) ~~★ The licensee lists the licensee's occupation as retired on the board-approved renewal form and certifies that the licensee is not currently practicing a technical profession. If the licensee elects to return to practice, the licensee shall earn 30 professional development hours for each year exempted, not to exceed 30 PDH the last renewal period or shall meet the requirement specified in K.A.R. 66-14-10 or K.A.R. 66-14-11. (Authorized by K.S.A. 1998 2001 Supp. 74-7013; implementing K.S.A. 1998 2001 Supp. 74-7013 and 74-7025; effective March 1, 1996; amended Feb. 4, 2000; amended Nov. 1, 2002.)~~

This regulation is being modified to clarify that new licensees are not required to report continuing education for their first renewal cycle. Subsection (c) and (d) states that 30 professional development hours are required before an individual may return to practice a technical profession. It also states that while on an exemption for license renewal, the individual may not practice a technical profession in Kansas.

Board Issues First Certificates for Intern Land Surveyors and Geologists

Due to new regulations being passed, effective November 1, 2002, individuals who meet the requirements according to K.A.R. 66-11-1a and K.A.R. 66-11-1b may be issued an intern certificate. To read the specific regulations go to the board's website:

<http://www.accesskansas.org/ksbtp/>.

Congratulations to the following individuals who have been issued an Intern Land Surveyor Certificate:

- #1 Ronald E. Campbell
- #2 Merlin D. Fobes
- #3 W. Leon Weems
- #4 Dustin Lee Beeson
- #5 Richard D. Moore
- #6 Chad D. Christiansen
- #7 Jason Paul Johnson
- #8 R. L. Hearn
- #9 Duane K. Palmberg
- #10 Gregory Chad Weller
- #11 Randy Glen Zerr

Congratulations to the following individuals who have been issued an Intern Geologist Certificate:

- #1 Kenneth Paul Hays
- #2 Jeffrey Wayne Geist
- #3 Douglas Lee Ronk
- #4 Jeffrey Dean Gill
- #5 Jacob Lynn Porter
- #6 Brett Ryan Engard

Corporations Certified Between August 10 and October 31, 2002

Land Surveying

1. MCAFFEE ENGINEERS AND ASSOCIATES, INC

LS-151

Geology

1. CLAYTON GROUP SERVICES INC
2. SOLSTICE COMPANY INC
3. MARSHALL MILLER & ASSOCIATES INC

G-57

G-58

G-59

Architecture

1. NELCO ARCHITECTURE INC
2. HOSPITAL DESIGNERS INC
3. BSA DESIGN, INC
4. NILES BOLTON ASSOCIATES INC
5. ADAMS HENNON ARCHITECTURE
6. RNL DESIGN INC
7. BUILDING ARCHITECTURAL SERVICES ENTITY INC
8. OLSEN-COFFEY ARCHITECTS PC
9. CLARK AND ASSOCIATES ARCHITECTS INC
10. A. M. KINNEY, INC
11. BRAD ADAMS WALKER ARCHITECTURE PC
12. MIDDOUGH ASSOCIATES INC
13. EL DORADO INC
14. PEARSON ARCHITECTS, INC

A-479

A-480

A-481

A-482

A-483

A-484

A-485

A-486

A-487

A-488

A-489

A-490

A-491

A-492

15. GOULD TURNER GROUP PC

A-493

Professional Engineering

1. KTA GROUP INC
2. ROOS SZYNSKIE ASSOCIATES INC
3. HALEY & ALDRICH, INC
4. EMR, LLC
5. VECO ROCKY MOUNTAIN INC
6. LUNDQUIST KILLEEN POTVIN & BENDER INC
7. AIR-ZONA SYSTEMS ENGINEERING INC
8. BSA DESIGN, INC
9. RNL DESIGN INC
10. SNYDER & ASSOCIATES
11. KITTELSON & ASSOCIATES INC
12. BUESCHER FRANKENBERG ASSOCIATES, INC.
13. MIDDOUGH ASSOCIATES INC
14. SOUTHERN STRUCTURES INC
15. SPECTRASITE COMMUNICATIONS, INC
16. ROSS G. STEPHENSON ASSOCIATES, INC
17. UNIFIED INVESTIGATIONS & SCIENCES INC

E-955

E-956

E-957

E-958

E-959

E-960

E-961

E-962

E-963

E-964

E-965

E-966

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E-971

Kansas State Board of Technical Professions

Current Licensees

As of 11/04/2002

A College Course Taken for Continuing Education Credit

In the spring there are two groups who renew licenses, land surveyors and professional engineers. With a renewal date of March 31 or April 30, a licensee who is taking a college course has completed most of it in the spring semester when it is time to renew. The Board of Technical Professions calculates the professional development hours (PDHs) for the course in the renewal period that most of the course is taken. If audited at the time of renewal, the licensee may have to get documentation that he is currently enrolled in the course. Of course, a licensee with more than 30 PDHs for that renewal period may carry them over into the next renewal period.

Corporation Name Changes

Atkins Benham, Inc. to
Atkins Americas, Inc. (A-415, G-43, E-783)

Spitznagel, Inc. to
TSP Four, Inc. (A-78, E-165)

Corporation Reinstatements

Lockwood Greene Engineers Inc. (E-625)

Corporation Reactivations

Camp Dressler & McKee, Inc. (G-49)

Profession	Resident	Non-Resident	Total
Architects	905	1,604	2,509
Engineers	3,961	5,164	9,125
Landscape Architects	136	247	383
Land Surveyors	528	257	785
Geologists	405	174	579
Total	5,935	7,446	13,381
Engineers-In-Training			14,014
Corporations			
Architects	111	242	353
Engineers	219	482	701
Landscape Architects	21	14	35
Land Surveyors	71	48	119
Geologists	25	31	56
Total	447	817	1,264

CONGRATULATIONS!

The Kansas State Board of Technical Professions
*is pleased to announce the following individuals have successfully
 passed all parts of their Technical Professional examinations and are now licensed.*

Architect Registration Examination (Aug. 29 - Nov. 4, 2002)

Name	Home City	State
Christine L. Brewood	Lenexa	KS
Nathan Adam Cohen	Overland Park	KS
Morris C. Dozier, Jr.	Manhattan	KS
Bart Philip Lowen	Kansas City	MO
Bryan Robert Rhodes	Amarillo	TX

Landscape Architect Examination (June, 2002)

Name	Home City	State
Michael T. Ashley	Overland Park	KS
Jason M. Meier	Leawood	KS
Korey Paul Schulz	Shawnee	KS
Brent D. Thomas	Wichita	KS

In Memoriam

The Board and staff wish to extend our sympathies to the families and friends of these individuals who have honored their professions:

PROFESSIONAL ENGINEERS

Russell R. Helling	#9265	Olathe, KS
Javier F. Horvilleur	#15982	Houston, TX
Lee E. Leatherwood	#1544	Hutchinson, KS
Bradford A. Lemberg	#10176	Arden Hills, MN
Robert E. McDaniel	#2812	Houston, TX
Mark E. Trekell	#11699	Knoxville, TN
Paul M. Wisneski	#3769	Houston, TX

ARCHITECTS

Loren D. Deines	#2854	Wichita, KS
Kenneth R. McLain	#290	Kansas City, KS
Arnold C. Rodrigues	#4107	Virginia Beach, VA

ADDRESS CHANGE NOTIFICATION MANDATORY

This newsletter is being mailed to you at the address on file at the board office. If you move and do not notify the board office, you will not receive this newsletter, and you may be in violation of the Board's statutes.

According to K.S.A. 74-7025, "The licensee shall notify the board in writing of any change of the licensee's address within 30 days after the date of such change." Please use the following change of address form to report any changes to your home or business addresses.

CHANGE OF ADDRESS FORM

NAME _____

PROFESSION _____

LICENSE NO. _____

OLD ADDRESS-HOME _____

OLD ADDRESS-BUSINESS _____

NEW ADDRESS-HOME _____

NEW BUSINESS NAME & ADDRESS _____

PREFERRED MAILING ADDRESS: _____

HOME _____

BUSINESS _____

CUT & MAIL TO:

Kansas State Board of Technical Professions
900 SW Jackson, Suite 507
Topeka, KS 66612-1257

CONTINUING EDUCATION OPPORTUNITIES

Engineering Distance Master's Degrees

Spon: Kansas State University, Division of Continuing Education, 241 College Court Building, Manhattan, KS 66506 Contact: Ellen Stauffer (785) 532-2562, e-mail: degrees@dce.ksu.edu
Aud: Individuals with bachelor's degrees in engineering, computer science, or related field. K-State's College of Engineering and Division of Continuing Education offers master's degrees via distance education in electrical, chemical, civil, and software engineering and engineering management. Courses may also be taken to satisfy professional licensing continuing education requirements. Visit our Web site at <http://www.dce.ksu.edu/dce/engg>. Cost: Varies
Registration Deadline: Varies Contact Hours: Varies

Date: Feb. 27 - April 3, 2003
Overland Park, KS

Time: 6:30-9:30 p.m.

2003 Civil PE Review Class

Spon: The University of Kansas School of Engineering & the Division of Continuing Education, 1515 St. Andrews Dr., Lawrence, KS 66047-1625 Contact: Mary Heberling (785) 864-3969 e-mail: mheberling@ku.edu Aud: Engineers taking PE Exam. Civil PE Review Class...KU will offer a live eleven session PE review course for Civil Engineers. Classes will start February 27, 2003 with two per week until April 3. Sessions will be Mondays and Thursdays from 6:30-9:30 pm in Overland Park; for more information go to <http://www.kuce.org/app/civeng/perc> or call 785-864-3969. Fee: \$599 Registration Deadline: February 27, 2003

Date: Various

Time: Various

Lawrence, KS and Kansas City, MO

Civil, Electrical & Manufacturing short courses & conferences

Spon: The University of Kansas School of Engineering & the Division of Continuing Education, 1515 St. Andrews Dr., Lawrence, KS 66047-1625 Contact: Mary Heberling (785) 864-3969 e-mail: mheberling@ku.edu Web site: www.kuce.org Aud: Engineers interested in civil, electrical, manufacturing logistical topics. Short courses offered in How to Lay Out a Warehouse, Systematic Layout Planning & other logistics topics; video tape course on LRFD for Highway Bridges; Civil Engineering PE Review course; conferences on Asphalt Paving, Structural Engineering, Environmental Engineering and Transportation Safety; In-house training developed for clients as requested. Fee: varies Registration Deadline: varies Contact Hours: 6-35.

Date: Home Study

Load & Resistance Factor Design for Highway Bridges - The Video Version of the Live Course

Spon: The University of Kansas School of Engineering & the Division of Continuing Education, 1515 St. Andrews Dr., Lawrence, KS 66047-1625 Contact: Mary Heberling (785) 864-3969 e-mail: mheberling@ku.edu Web site: www.kuce.org Aud: Engineers and their supervisors. A 28-hour training course in a set of 14 video tapes with a two-volume set of reference notes. Each tape includes two 50-minute sessions plus questions and answers. This course is for the professional using the specifications as well as the supervisor who evaluates those designs. A must for every library! Watch whatever section you are interested in whenever and wherever it's most convenient for you. Cost: \$795 per set includes reference notes and shipping. Additional copies of reference notes \$75 per set. Contact Hours: 28